

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**4395A-16**

# S E R V I C E N O T E

Supersedes:  
[NONE]

## Agilent 4395A Network/Spectrum/Impedance Analyzer

Serial Numbers: [MY41100322/MY41101025]

**Firmware upgrade to fix occasional rise in noise floor and the shift of measurement signal in frequency with SA mode.**

**To Be Performed By: Customer**

**Parts Required:**

P/N	Description	Qty.
5182-7513	FW revision label 1.10	1

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 0.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: HM      PRODUCT LINE: WN		AGILENT RESPONSIBLE UNTIL: July 2007	
ADDITIONAL INFORMATION:			

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**Situation:**

There are some units among the indicated serials that have a possibility of occasional rise in noise floor or occasional shift of measurement signal in frequency with SA mode.

**Solution/Action:**

The symptoms can be observed rarely and randomly.

Below is the procedure to confirm if the unit has the possibility of containing the symptoms.

- 1) Press [Preset]
- 2) Press [Meas] and set analyzer type to spectrum analyzer.
- 3) Set frequency to Center: 250 MHz, Span: 5.66MHz.
- 4) Press [Bw/Avg] and set RES BW to 1MHz.
- 5) Press [Display] and set DATA HOLD to MAX
- 6) Leave the unit running for an hour and confirm if a peak can be observed. See Fig.1 for the type of peak that can possibly be observed. Typically the peak is around  $-40\text{dBm}$ .  
If a peak is observed, upgrade the firmware to revision 1.10 or above.

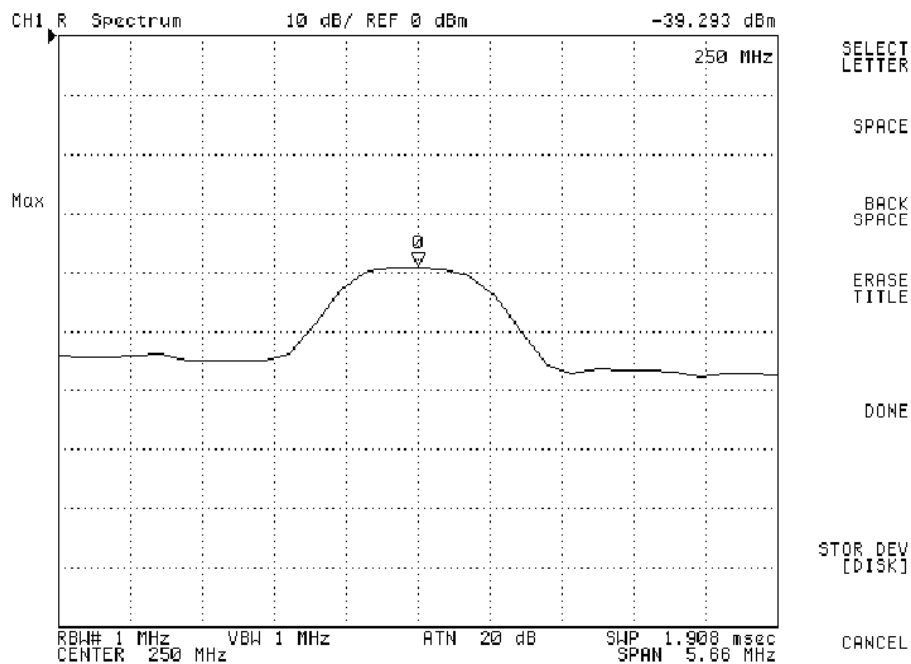


Fig.1 Peak observed with the indicated procedure.

To install the latest firmware, click “Software & Firmware Downloads” at below URL. Then click the heading in the column of Firmware Update and follow the firmware installation procedure to install the latest firmware.

<http://www.home.agilent.com/USeng/nav/-536891178.536881745/pd.html>

Order firmware revision label 1.10. Detach the old firmware label on the rear panel of 4395A and attach revision label 1.10.